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PTO/SB/21 (08-00)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|  |    |                        |                     |
|--|----|------------------------|---------------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> |    | Application No.        | 09/540,166          |
|  |    | Filing Date            | March 31, 2000      |
|  |    | First Named Inventor   | Scott A. Rosenberg  |
|  |    | Group Art Unit         | 2673                |
|  |    | Examiner Name          | Vincent E. Kovalick |
| Total Number of Pages in This Submission   | 11 | Attorney Docket Number | 42390P6729          |

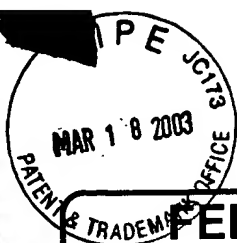
| ENCLOSURES (check all that apply)  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><br><input type="checkbox"/> Fee Attached<br><br><input checked="" type="checkbox"/> Amendment / Response<br><br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> PTO/SB/08<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><br><input type="checkbox"/> Basic Filing Fee<br><input type="checkbox"/> Declaration/POA<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><br><input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input type="checkbox"/> Other Enclosure(s) (please identify below):<br><div style="border: 1px solid black; height: 80px; width: 100%;"></div> |
| Remarks  |  | <div style="text-align: center;"><b>RECEIVED</b><br/>MAR 20 2003<br/>Technology Center 2600</div>   |
|  |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |  |
|--|--|
| Firm or Individual name                    | William W. Schaal, Reg. No. 39,018<br>BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature                                  |  |
| Date                                       | March 12, 2003   |

| CERTIFICATE OF MAILING/TRANSMISSION  |                     |      |                |
|--|---------------------|------|----------------|
| I hereby certify that this correspondence is being transmitted via facsimile under 37 CFR §1.8 on: |                     |      |                |
|  |                     |      | March 12, 2003 |
| Typed or printed name  | Corrinn R. Reynolds |      |                |
| Signature  |                     | Date | March 12, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.





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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

## Complete if Known

|                      |                     |
|----------------------|---------------------|
| Application Number   | 09/540,166          |
| Filing Date          | March 31, 2000      |
| First Named Inventor | Scott A. Rosenberg  |
| Examiner Name        | Vincent E. Kovalick |
| Group/Art Unit       | 2673                |
| Attorney Docket No.  | 42390P6729          |

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

## METHOD OF PAYMENT (check one)

- ☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None  
☐ Deposit Account

Deposit  
Account  
Number

02-2666

Deposit  
Account  
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 1001         | 750      | 2001         | 375      | Utility filing fee     |          |
| 1002         | 330      | 2002         | 165      | Design filing fee      |          |
| 1003         | 520      | 2003         | 260      | Plant filing fee       |          |
| 1004         | 750      | 2004         | 375      | Reissue filing fee     |          |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |          |
| SUBTOTAL (1) |          |              |          |                        | (\$)     |

### 2. EXTRA CLAIM FEES

|                    | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims       | 18 - 20* = 0 | 18.00          | \$0.00   |
| Independent Claims | 2 - 3* = 0   | 84.00          | \$0.00   |
| Multiple Dependent |              |                |          |

| Large Entity |          | Small Entity |          | Fee Description   | Fee Paid  |
|--------------|----------|--------------|----------|---|-----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |           |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                    |           |
| 1201         | 84       | 2201         | 42       | Independent claims in excess of 3                         |           |
| 1203         | 280      | 2203         | 140      | Multiple Dependent claim, if not paid                     |           |
| 1204         | 84       | 2204         | 42       | **Reissue independent claims over original patent         |           |
| 1205         | 18       | 2205         | 9        | **Reissue claims in excess of 20 and over original patent |           |
| SUBTOTAL (2) |          |              |          |   | (\$) 0.00 |

\*or number previously paid, if greater, For Reissues, see below

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1051         | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |
| 1052         | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet.                    |
| 2053         | 130      | 2053         | 130      | Non-English specification  |
| 1812         | 2,520    | 1812         | 2,520    | For filing a request for ex parte reexamination                            |
| 1804         | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |
| 1805         | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     |
| 1252         | 410      | 2252         | 205      | Extension for reply within second month                                    |
| 1253         | 930      | 2253         | 465      | Extension for reply within third month                                     |
| 1254         | 1,450    | 2254         | 725      | Extension for reply within fourth month                                    |
| 1255         | 1,970    | 2255         | 985      | Extension for reply within fifth month                                     |
| 1404         | 320      | 2401         | 160      | Notice of Appeal   |
| 1402         | 320      | 2402         | 160      | Filing a brief in support of an appeal                                     |
| 1403         | 280      | 2403         | 140      | Request for oral hearing   |
| 1451         | 1,510    | 2451         | 1,510    | Petition to institute a public use proceeding                              |
| 1452         | 110      | 2452         | 55       | Petition to revive - unavoidable   |
| 1453         | 1,300    | 2453         | 650      | Petition to revive - unintentional   |
| 1501         | 1,300    | 2501         | 650      | Utility issue fee (or reissue)   |
| 1502         | 470      | 2502         | 235      | Design issue fee   |
| 1503         | 630      | 2503         | 315      | Plant issue fee  |
| 1460         | 130      | 2460         | 130      | Petitions to the Commissioner  |
| 1807         | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |
| 1809         | 750      | 1809         | 375      | Filing a submission after final rejection (37 CFR § 1.129(a))              |
| 1810         | 750      | 2810         | 375      | For each additional invention to be examined (37 CFR § 1.129(b))           |
| 1801         | 750      | 2801         | 375      | Request for Continued Examination (RCE)                                    |
| 1802         | 900      | 1802         | 900      | Request for expedited examination of a design application                  |

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

## SUBMITTED BY

## Complete (if applicable)

|                   |                   |                                   |          |           |                |
|-------------------|-------------------|-----------------------------------|----------|-----------|----------------|
| Name (Print/Type) | William W. Schaal | Registration No. (Attorney/Agent) | 39,018   | Telephone | (714) 557-3800 |
| Signature         |                   | Date                              | 03/12/03 |           |                |

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.





Docket No.: 042390P6729

#14/Reg for  
Recm  
3-1-B  
K. P. M. M.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Rosenberg, et al.

Application No.: 09/540,166

Filed: March 31, 2000

For: System and Method for Refreshing  
Imaging Devices or Displays on a  
Page-Level Basis

Examiner: Vincent E. Kovalick

Art Group: 2673

RECEIVED

MAR 20 2003

Technology Center 2600

AMENDMENT AND RESPONSE TO THE OFFICE ACTION

BOX NON-FEE AMENDMENT  
Assistant Commissioner for Patents  
Washington, DC 20231-9998

Sir:

In response to the outstanding Office Action, mailed December 27, 2002, please amend  
the above-identified Application as follows:

IN THE CLAIMS

Following is a complete set of claims as amended with this Response. No changes have  
been made to the claims.

- 1 1. (Cancelled).
- 1 2. (Cancelled)
- 1 3. (Previously Amended) A system to refresh a display, the system comprising:  
2 a memory to store images of an image frame in a plurality of memory pages;